CLAIMS:

1.   A method for establishing fixation in a visual field perimeter, comprising the steps of:

displaying to a subject a fixation target using a predetermined symbol;

inputting the subject's verbal identification of the predetermined symbol;

evaluating the verbal identification of the predetermined symbol made by the subject using speech recognition; and

upon the subject correctly identifying the predetermined symbol, displaying a visual test stimulus to the subject at a predetermined location within the subject's field of vision.

2.   The method of claim 1 further comprising the step of evaluating the verbal identification of the visual test stimulus made by the subject using speech recognition.

3.   The method of claim 1 further comprising the step of repeatedly carrying out the steps above for different predetermined symbols.

4.   The method of claim 1 further comprising the step of repeatedly carrying out the steps above while relocating the predetermined symbol to a new location.

5.   The method of claim 1 wherein the fixation target is a stationary target.

6.   The method of claim 1 further comprising the step of moving the fixation target within the field of vision of the subject.

7. The method of claim 1 wherein the visual test stimulus is displayed shortly after the subject correctly identifies the predetermined symbol.

5   8. The method of claim 1 wherein the predetermined symbol is a geometrical shape, letter, number, picture, or image that is readily identifiable by the subject.

9. The method of claim 1 further comprising the step of
10 recording whether the subject observes the visual test stimulus.

10. The method claim 1 further comprising the step of varying the size, shape, intensity, contrast, frequency and/or color of the visual test stimulus.
15

11. A method for establishing fixation in a visual field perimeter, comprising the steps of:
        displaying to a subject a fixation target using a first symbol;
20   moving the fixation target along a first direction within the subject's field of vision;
        changing the direction of movement of said fixation target from said first direction to a second direction;
        inputting the subject's verbal indication of the direction
25 when the fixation target changes direction from said first to said second direction;
        evaluating the subject's verbal indication using speech recognition that the fixation target changed direction; and
        upon the subject correctly indicating when the fixation
30 target changes direction from said first to said second

direction, displaying a visual test stimulus to the subject at
a predetermined location within the subject's field of vision.

5   12.   The method of claim 11 further comprising the step of
evaluating the verbal identification of the visual test stimulus
made by the subject using speech recognition.

     13.   The method of claim 11 further comprising the step of
repeatedly carrying out the steps above with the fixation target
10   changed from said first symbol to a second symbol.

     14.   The method of claim 11 further comprising the step of
repeatedly carrying out the steps above while relocating the
fixation target to a new location.
15

     15.   The method of claim 11 wherein the visual test
stimulus is displayed to the subject shortly after the subject
correctly indicates when the fixation target changes direction
from said first to said second direction.
20

     16.   The method of claim 11 wherein said first symbol is a
geometrical shape, letter, number, picture, or image that is
readily identifiable by the subject.

25   17.   The method of claim 11 further comprising the step of
recording whether the subject observes the visual test stimulus.

     18.   The method claim 11 further comprising the step of
varying the size, shape, intensity, contrast, frequency and/or
30   color of the visual test stimulus.

19. A method for establishing fixation in a visual field perimeter, comprising the steps of:

displaying to a subject a fixation target using a first symbol;

5   moving the fixation target within the field of vision of the subject;

changing the appearance of the fixation target from said first symbol to a second symbol;

inputting the subject's verbal indication that the fixation
10 target changed from said first to said second symbol;

evaluating the subject's verbal indication using speech recognition that the fixation target changed from said first to said second symbol; and

upon the subject correctly indicating when the fixation
15 target changed from said first to said second symbol, displaying a visual test stimulus to the subject at a predetermined location within the subject's field of vision.

20. The method of claim 19 further comprising the step of
20 evaluating the verbal identification of the visual test stimulus made by the subject using speech recognition.

21. The method of claim 19 further comprising the step of repeatedly carrying out the steps above while relocating the
25 fixation target to a new location.

22. The method of claim 19 wherein the visual test stimulus is displayed to the subject shortly after the subject correctly indicates when the fixation target changes from said
30 first to said second symbol.

23.   The method of claim 19 wherein said first and second symbols are geometrical shapes, letters, numbers, pictures, or images that are readily identifiable by the subject.

5   24.   The method of claim 19 further comprising the step of recording whether the subject observes the visual test stimulus.

25.   The method claim 16 further comprising the step of varying the size, shape, intensity, contrast, frequency and/or
10   color of the visual test stimulus.

26.   A visual field perimeter comprising a means for establishing fixation, said means for establishing fixation including:
15   a display monitor;
       means for displaying on said display monitor a fixation target to a subject using a first symbol;
       means for inputting the subject's verbal identification of said first symbol;
20   speech recognition means for evaluating the subject's verbal identification of said first symbol; and
       means responsive to the subject correctly identifying the first symbol for displaying a visual test stimulus to the subject at a predetermined location within the subject's field
25   of vision.

27.   The visual field perimeter of claim 26 further comprising means for evaluating the verbal identification of the visual test stimulus made by the subject using speech
30   recognition.

28.   The visual field perimeter of claim 26 further comprising means for changing the fixation target from said first symbol to a second symbol.

5   29.   The visual field perimeter of claim 26 further comprising means for relocating the fixation target to a new location.

30.   The visual field perimeter of claim 26 further
10   comprising means for changing the fixation target from said first symbol to a second symbol;

31.   The visual field perimeter of claim 26 further comprising means for recording whether the subject observes the
15   visual test stimulus.

32.   The visual field perimeter of claim 26 wherein said means for recording includes voice recognition techniques for evaluating the subject's verbal response in indicating whether
20   the visual test stimulus is observed.

33.   The visual field perimeter of claim 26 wherein the fixation target is a stationary target.

25   32.   The visual field perimeter of claim 26 further comprising means for moving the fixation target within the field of vision of the subject.

33.   The visual field perimeter of claim 26 further
30   comprising means for changing the direction of the fixation target.

34.   The visual field perimeter of claim 26 wherein the visual test stimulus is displayed to the subject shortly after the subject correctly identifies the predetermined symbol.

5   35.   The visual field perimeter of claim 26 wherein the predetermined symbol is a geometrical shape, letter, number, picture, or image that is readily identifiable by the subject.

36.   The visual field perimeter of claim 26 further
10 comprising means for varying the size, shape, intensity, contrast, frequency and/or color of the visual test stimulus.

15

20

25

30